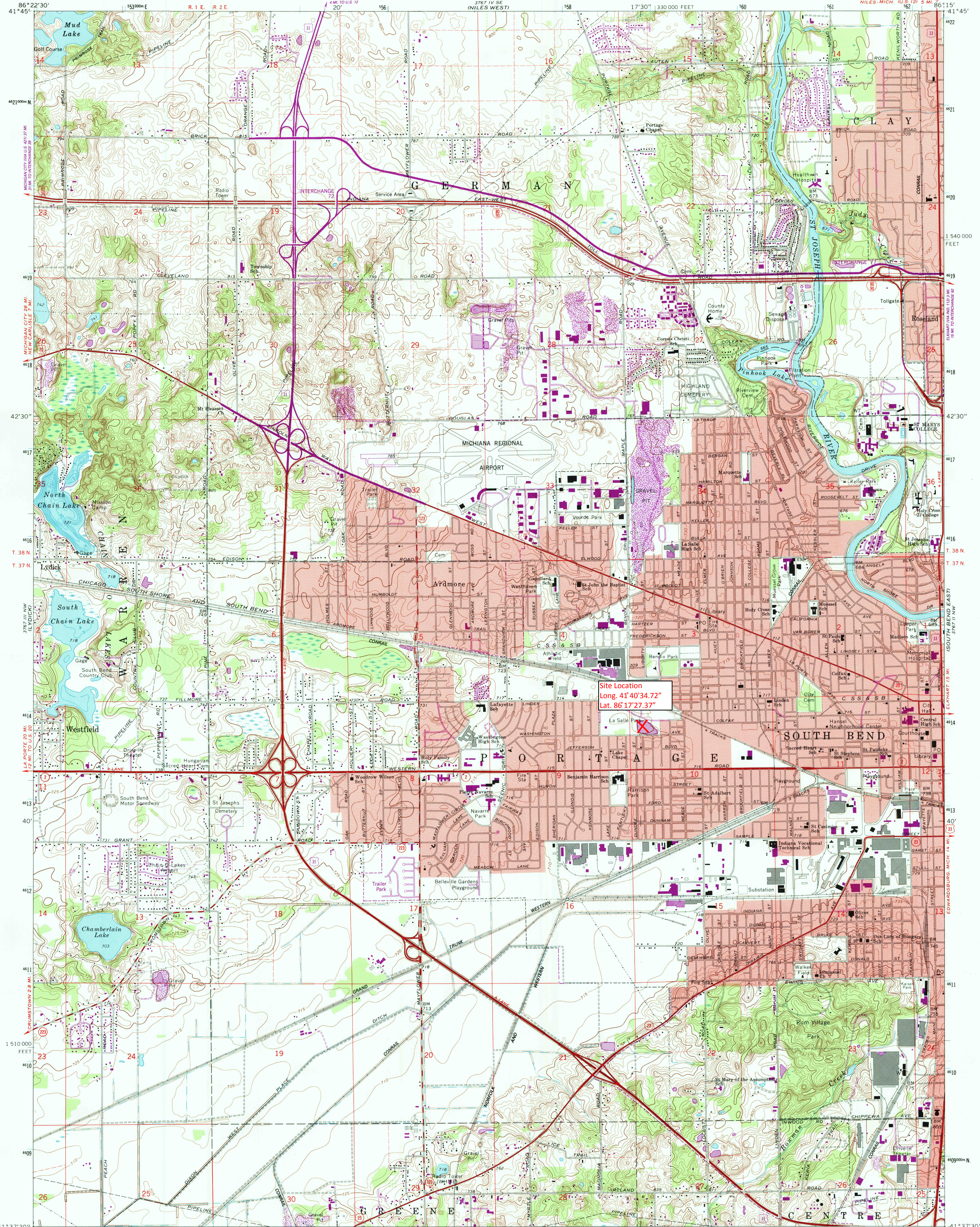
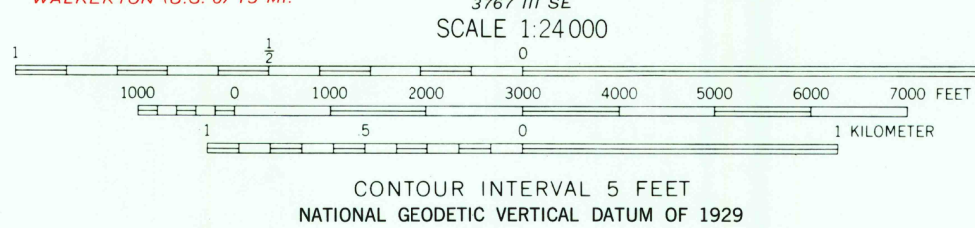
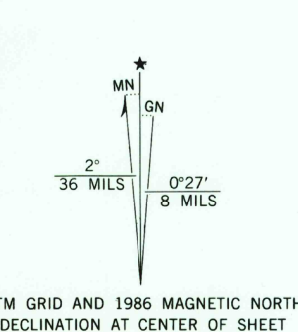


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SOUTH BEND WEST QUADRANGLE  
INDIANA—ST. JOSEPH CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey  
Revised in cooperation with Indiana Department of Natural Resources  
Control by USGS, NOS/NOAA, and Indiana Flood Control  
and Water Resources Commission  
Planimetry by photogrammetric methods from aerial photographs  
taken 1952. Topography by planetable surveys 1957-1958  
Revised from aerial photographs taken 1967. Field checked 1969  
Depth curves and soundings compiled from USGS-Indiana  
Department of Natural Resources lake charts  
Polyconic projection. 10,000-foot grid ticks based on  
Indiana coordinate system, east zone  
1927 North American Datum  
To place on the predicted North American Datum 1983  
move the projection lines 2 meters east  
as shown by dashed corner ticks  
Fine red dashed lines indicate selected fence and field lines where  
generally visible on aerial photographs. This information is unchecked



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
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DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
AND INDIANA DEPARTMENT OF NATURAL RESOURCES, INDIANAPOLIS, INDIANA 46204  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Revisions shown in purple and woodland compiled in  
cooperation with State of Indiana agencies from  
aerial photographs taken 1981 and other sources  
This information not field checked. Map edited 1986

ROAD CLASSIFICATION  
Primary highway, all weather, improved surface  
Secondary highway, all weather, unimproved road, fair or dry  
hard surface  
weather  
Interstate Route U. S. Route State Route

SOUTH BEND WEST, IND.  
41086-F3-1F-024

1969  
PHOTOREVISED 1986  
DMA 3767 III NE—SERIES V851